

LANDAU ASSOCIATES, INC.

P.O. Box 1029

Edmonds, WA 98020-9129

(206)778-0907 / FAX:(206)778-6409

COLSF
Colbert 8.2 U)

RECEIVED
APR 20 1990
FUND BRANCH

Job Number: 124-01.50

Date: April 19, 1990

Job Title: Colbert Landfill RD/RA

Location: Spokane County, WA

To: Mr. Neil Thompson
U.S. Environmental Protection Agency
1200 Sixth Avenue
Park Place Building
Seattle, WA 98104

We are sending herewith:

Copies	Description
<u>1</u>	<u>Preliminary Chemical Results - Non-Volatile Organic Compounds</u>
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- ☒ For Your Review/Information
- ☐ For Approval
- ☐ Approved as Noted
- ☐ Returned for Corrections as Noted; Please Resubmit
- ☐ For Your File
- ☐ Take Appropriate Action

Remarks: These data have not been QA'ed by Landau Associates, Inc., and
are subject to revision.



LANDAU ASSOCIATES, INC.

By: Terry A. McDermott
Larry D. Beard

LDB/tam
Enclosure

PRELIMINARY

4/19/90

COLBERT LANDFILL RD/RA
PRELIMINARY CHEMICAL RESULTS (a)
FOR PHASE I GROUND WATER SAMPLES
NON-VOA RESULTS (ppm) (b)

Well No.:	CD 20-D2	CD21-C1	CD21-C3	CD21-C3 (dup)	CD32-A	CD42-C1	CD42-C2	CD42-C2 (dup)	CD42-C3	rinsate blank	rinsate blank
Sample No.:	125	123	121	122	138	107	108	109	110	111	124
Cadmium (dissolved)	--(d)	0.001 U(c)	0.001 U	--	0.001 U	0.001 U	0.001	--	0.001 U	--	--
Iron (total)	0.2	0.045	0.77	0.67	0.24	0.032 (e)	1.1 (e)	1.7 (e)	0.98 (e)	0.007 U	0.01 U
Iron (dissolved)	--	0.016	0.1	--	0.13	0.011 (e)	0.2 (e)	--	0.29 (e)	--	--
Manganese (total)	0.008	0.39	0.85	1.3	0.12	0.11	0.083	0.08	0.35	0.001 U	0.001 U
Manganese (dissolved)	--	0.29	0.73	--	0.11	0.12	0.064	--	0.34	--	--
Magnesium (dissolved)	--	39	13	--	16	19	17	--	14	--	--
Calcium (dissolved)	--	200	46	--	46	52	44	--	44	--	--
Potassium (dissolved)	--	64	10 U	--	4.3	3.5	3.2	--	3.4	--	--
Sodium (dissolved)	--	8.8	21	--	9	7.8	25	--	17	--	--
Chloride (total)	--	6	2	2	--	3	4	4	2	1 U	1 U
Chloride (dissolved)	--	6	2	--	2	3.0	4.0	--	1.6	--	--
Sulfate as SO4 (total)	--	20	14	14	--	13	16	16	15	1 U	1 U
Sulfate as SO4 (dissolved)	--	19	13	--	12	13	16	--	15	--	--
Nitrate + Nitrite as N	--	1.5	0.59	0.56	0.05 U	2.0	4.7	4.9	0.05 U	0.05 U	0.05 U
Nitrate as N (dissolved)	--	1.5	0.80	--	--	2.2	5.5	--	0.21	--	--
Hardness as CaCO3 (total)	670	740	190	190	220	260	210	210	190	2	2 U
Total Dissolved Solids	--	650	310	290	--	270	330	300	260	2 U	5
Total Organic Carbon	--	2.0	1.0 U	1.2	--	1.1	1.3	1.9	2.1	1.4	1.0 U
Total Organic Halogens	--	2.2	0.02 U	0.02 U	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.06 U
Chemical Oxygen Demand	--	10 U	10 U	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U
pH	7.74	7.09	7.84	7.84	7.64	7.7	7.6	7.6	7.8	--	--
Conductivity (uS)	835	978	401	401	407	440	448	448	398	--	--
Temperature (deg. C)	11.0	10.4	8.3	8.3	10.6	8.9	9.1	9.1	10.3	--	--

- (a) Represents final results from the laboratory. However, results have not been checked by Landau Associates' Project QA Coordinator, and are considered preliminary.
- (b) Parts per million, except where indicated otherwise.
- (c) U = The analyte was not detected, to the limit of detection indicated.
- (d) -- = Not analyzed.
- (e) The analyte of interest was detected in the method blank associated with the sample, as well as in the sample itself.